

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1-72. (canceled)

73. (currently amended) An injectable pharmaceutical composition comprising
i) one or more biodegradable hydrating ceramics
ii) one or more expandable agents, wherein the expandable agent is present in the composition at a concentration of at least about 0.1% w/w to about 2.5~~10~~0% w/w,
iii) a sorbed aqueous medium, wherein the sorbed aqueous medium is present in the composition at a concentration of at the most about 30% w/w to about 60% w/w of the total composition, and
iv) one or more therapeutically and/or diagnostically active substances, which is an androgen ~~or a derivative thereof~~, an anti-androgen ~~or a derivative thereof~~, an oestrogen ~~or a derivative thereof~~, an anti-oestrogen ~~or a derivative thereof~~, a gestagen ~~or a derivative thereof~~, an anti-gestagen ~~or a derivative thereof~~, an oligonucleotide, a progestagen ~~or a derivative thereof~~, a gonadotropin-releasing hormone ~~or an analogue or derivative thereof~~, a gonadotropin inhibitor ~~or a derivative thereof~~, an adrenal and/or prostate enzyme inhibitor, a membrane efflux and/or membrane transport protein, an immune system modulator, an angiogenesis inhibitor, or combinations thereof, which in solid form has a ruptured structure, and wherein the composition solidifies after a time period of about 20 min or less when stored at 37°C.

74. (previously presented) A pharmaceutical composition according to claim 73, wherein the active substance is flutamide, hydroxy-flutamide, cyproteron, nilutamide or bicalutamide or a mixture thereof.

75. (currently amended) A pharmaceutical composition according to claim 73, wherein the active substance is a combination of an anti-androgen and a gonadotropin-releasing hormone ~~or an analogue thereof~~.

76. (previously presented) A pharmaceutical composition according to claim 73, which in solid form has a foam-like structure with openings, wherein at least 50% or more of the openings have a maximum width of at least about 0.1 mm.

77. (previously presented) A pharmaceutical composition according to claim 76, wherein, at least 60%, to 90% of the openings have a maximum width of at least about 0.1 mm.

78. (previously presented) A pharmaceutical composition according to claim 77, wherein the openings have a maximum width of at least about 0.2 mm to at least about 0.5 mm.

79. (previously presented) A pharmaceutical composition according to claim 77, wherein the openings have a largest width of at least about 0.6 mm to about 2 mm.

80. (previously presented) A pharmaceutical composition according to claim 73, wherein the surface area of an opening in cross sectional view having a maximum width of at least about 0.1 mm is at least about $3 \times 10^{-8} \text{ m}^2$ to about $5 \times 10^{-6} \text{ m}^2$.

81. (previously presented) A pharmaceutical composition according to claim 73, which in solid form has a ruptured structure obtained by disintegration into two or more parts.

82. (previously presented) A pharmaceutical composition according to claim 81, wherein the two or more parts have an external surface area that is at least about twice to about a thousand times as large as that of the composition before disintegration.

83. (previously presented) A pharmaceutical composition according to claim 73, wherein the biodegradable hydrating ceramic is selected from the group consisting of non-hydrated or hydrated calcium sulphate, calcium phosphate, calcium carbonate, calcium fluoride, calcium silicate, magnesium sulphate, magnesium phosphate, magnesium carbonate, magnesium fluoride, magnesium silicate, barium sulphate, barium phosphate, barium carbonate, barium fluoride, barium silicate, or mixtures thereof.

84. (previously presented) A pharmaceutical composition according to claim 73, wherein the biodegradable hydrating ceramic is non-hydrated or hydrated calcium sulphate.

85. (previously presented) A pharmaceutical composition according to claim 73, wherein the biodegradable hydrating ceramic employed in the preparation of the composition is in the form of a powder.

86. (previously presented) A pharmaceutical composition according to claim 85, wherein the powder has a mean particle size of at the most about 10 μ m to about 75 μ m.

87. (previously presented) A pharmaceutical composition according to claim 73, wherein the expandable agent is a gas-forming agent, a swelling agent, a gelling agent or a disintegrant.

88. (previously presented) A pharmaceutical composition according to claim 87, wherein the expandable agent is a gas-forming agent selected from the group consisting of alkali metal carbonates, alkali metal hydrogen carbonates, hydrogen peroxide and mixtures thereof.

89. (previously presented) A pharmaceutical composition according to claim 87, wherein the expandable agent is a swelling agent, a gelling agent, a disintegrant, or mixtures thereof.

90. (cancelled)

91. (cancelled)

92. (previously presented) A pharmaceutical composition according to claim 73, in liquid, semi-solid or solid form.

93. (previously presented) A pharmaceutical composition according to claim 92, in the form of a paste or another semi-solid form.

94. (previously presented) A pharmaceutical composition according to claim 73, having a shape selected from the group consisting of beads, pellets, tubes, polygons, spheres, stars, cubes, or mixtures thereof.
95. (previously presented) A pharmaceutical composition according to claim 73, wherein the active substance is homogeneously dispersed in the biodegradable hydrating ceramic.
96. (previously presented) A pharmaceutical composition according to claim 73, configured for parenteral use.
97. (previously presented) A pharmaceutical composition according to claim 73, wherein the one or more biodegradable hydrating ceramics, the expandable agent and the one or more active substance are homogeneously dispersed in water so that the hydrating ceramic, the expandable agent and/or the active substance sorbs water.
98. (cancelled).
99. (previously presented) A pharmaceutical composition according to claim 73, wherein the one or more biodegradable hydrating ceramics have a microporous structure.
100. (previously presented) A pharmaceutical composition according to claim 99, wherein at least part of the microporous structures is sealed with a pore-sealing agent.
101. (previously presented) A pharmaceutical composition according to claim 99, wherein at least 50% or more of the microporous structures is sealed with a pore-sealing agent.
102. (previously presented) A pharmaceutical composition according to claim 100, wherein the pore-sealing agent is a hydrophobic agent, a hydrophilic agent, a water-absorbing agent, or mixtures thereof.

103. (previously presented) A pharmaceutical composition according to claim 100, wherein the pore-sealing agent is a hydrophobic agent that is selected from the group consisting of silicone oil, silicon rubber, waxes, paraffinic hydrocarbons, polyvinylalcohols, ethyl cellulose, and mixtures thereof.

104. (previously presented) A pharmaceutical composition according to claim 100, wherein the pore-sealing agent is a hydrophilic agent that is selected from the group consisting of methylcellulose, hyaluronic acid, dextran, poly-ethylene glycol (PEG), and mixtures thereof.

105. (previously presented) A pharmaceutical composition according to claim 100, wherein the pore-sealing agent is a water-absorbing agent that is selected from the group consisting of water glasses, silica gel, sodium phosphate, and mixtures thereof.

106. (previously presented) A pharmaceutical composition according to claim 100, wherein the concentration of the pore-sealing agent in the composition is about 30% w/w or less of the final composition.

107. (previously presented) A pharmaceutical composition according to claim 73, wherein the active substance is controlled released from the composition.

108. (previously presented) A pharmaceutical composition according to claim 107, wherein at most about 10% w/w of the active substance contained in the composition is released 5 days or more after implantation to a human.

109. (previously presented) A pharmaceutical composition according to claim 107, wherein at the most about 50% w/w of the active substance contained in the composition is released 1 month or more after implantation to a human.

110. (previously presented) A pharmaceutical composition according to claim 107, wherein at the most about 75% w/w of the active substance contained in the composition is released 1.5

month or more after implantation to a human.

111. (previously presented) A pharmaceutical composition according to claim 107, wherein at the most about 100% w/w of the active substance contained in the composition is released 2 month or more after implantation to a human.

112. (previously presented) A pharmaceutical composition according to claim 107, wherein at the most about 10% w/w of the active substance contained in the composition is released after 2 days or more when tested in an *in vitro* dissolution test according to Ph. Eur protocol.

113. (previously presented) A pharmaceutical composition according to claim 107, wherein at the most about 50% w/w of the active substance contained in the composition is released after 1 month or more when tested in an *in vitro* dissolution test according to Ph. Eur protocol.

114. (previously presented) A pharmaceutical composition according to claim 107, wherein at the most about 75% w/w of the active substance contained in the composition is released after 1.5 month or more when tested in an *in vitro* dissolution test according to Ph. Eur protocol.

115. (previously presented) A pharmaceutical composition according to claim 107, wherein at the most about 100% w/w of the active substance contained in the composition is released after 2 month or more when tested in an *in vitro* dissolution test according to Ph. Eur protocol.

116. (currently amended) A composition in particulate form for use in the preparation of a pharmaceutical composition as recited in claim 73, the composition comprising:

- i) one or more biodegradable hydrating ceramics in powder form
- ii) one or more expandable agents, and
- iii) optionally, one or more therapeutically, ~~prophylactically~~ and/or diagnostically active substances, which is an androgen ~~or a derivative thereof~~, an anti-androgen ~~or a derivative thereof~~, an oestrogen ~~or a derivative thereof~~, an anti-oestrogen ~~or a derivative thereof~~, a gestagen ~~or a derivative thereof~~, an anti-gestagen ~~or a derivative thereof~~, an oligonucleotide, a progestagen ~~or a derivative thereof~~

derivative thereof, a gonadotropin-releasing hormone or an analog or derivative thereof, a gonadotropin inhibitor or a derivative thereof, an adrenal and/or prostate enzyme inhibitor, a membrane efflux and/or membrane transport protein, an immune system modulator, an angiogenesis inhibitor, or combinations thereof.

117. (withdrawn) A method for the preparation of a pharmaceutical composition as recited in claim 73, comprising dispersing a mixture of: i) one or more biodegradable hydrating ceramics in powder form, and ii) one or more expandable agents, in iii) an aqueous medium, wherein either the mixture of i) and ii), or iii) further comprises iv) one or more therapeutically, prophylactically and/or diagnostically active substances, which is an androgen or a derivative thereof, an anti-androgen or a derivative thereof, an oestrogen or a derivative thereof, an anti-oestrogen or a derivative thereof, a gestagen or a derivative thereof, an anti-gestagen or a derivative thereof, an oligonucleotide, a progestagen or a derivative thereof, a gonadotropin-releasing hormone or an analog or derivative thereof, a gonadotropin inhibitor or a derivative thereof, an adrenal and/or prostate enzyme inhibitor, a membrane efflux and/or membrane transport protein, an immune system modulator, an angiogenesis inhibitor, or combinations thereof.

118. (withdrawn) A method according to claim 117, wherein the pharmaceutical composition is an injectable and *in vivo* solidifying composition for controlled release of the active substance.

119. (withdrawn) A method for treatment of a subject suffering from a prostate disease, comprising administering to the subject a composition comprising:

- i) one or more biodegradable hydrating ceramics
- ii) one or more expandable agents,
- iii) sorbed aqueous medium, and
- iv) one or more therapeutically, prophylactically and/or diagnostically active substances, which is an androgen or a derivative thereof, an anti-androgen or a derivative thereof, an oestrogen or a derivative thereof, an anti-oestrogen or a derivative thereof, a gestagen or a derivative thereof, an anti-gestagen or a derivative thereof, an oligonucleotide, a progestagen or a derivative thereof, a gonadotropin-releasing hormone or an analog or derivative thereof, a gonadotropin inhibitor or a

derivative thereof, an adrenal and/or prostate enzyme inhibitor, a membrane efflux and/or membrane transport protein, an immune system modulator, an angiogenesis inhibitor, or combinations thereof.

120. (withdrawn) A method according to claim 119, wherein the prostate disease is prostate cancer or prostate hyperplasia.

130. (withdrawn) A method according to claim 119, wherein the active substance is flutamide, hydroxy-flutamide, cyproteron, nilutamide or bicalutamide or a mixture thereof.

140. (withdrawn) A method according to claim 119, wherein the active substance is a combination of an anti-androgen and a gonadotropin-releasing hormone or an analog thereof.

141. (withdrawn) A method according to claim 119, wherein the active substance is hydroxyflutamide.

142. (withdrawn) A method according to claim 119, wherein the active substance is hydroxyflutamide and a plasma concentration of from 0.001 to 1000 μM hydroxyflutamide is obtained in the subject after administration thereof.

143. (withdrawn) A method according to claim 119, wherein the active substance is hydroxyflutamide and the treatment time for one dose is at least 3-6 months.

144. (withdrawn) A method according to claim 119, wherein the composition is administered to a subject's prostate tissue by implantation.

145. (withdrawn) A method according to claim 119, wherein the composition is injectable and solidifies *in vivo* after administration.